(19) World Intellectual Property
Organization
International Bureau



) (BERT BINGER) IN BERTH COM BEIN BEIN BING BING BING BEIN BERTH BING BERTH BERTH BERTH BERTH BERTH BERTH BERT

(43) International Publication Date 13 January 2005 (13.01.2005)

PCT

(10) International Publication Number WO 2005/003460 A1

(51) International Patent Classification⁷: B65D 65/42

D21H 27/10,

(21) International Application Number:

PCT/FI2004/000256

(22) International Filing Date: 27 April 2004 (27.04.2004)

(25) Filing Language:

Finnish

(26) Publication Language:

English

(30) Priority Data:

20030988 1 July 2003 (01.07.2003) FI 20030987 1 July 2003 (01.07.2003) FI

- (71) Applicant (for all designated States except US): STORA ENSO OYJ [FI/FI]; Kanavaranta 1, FI-00160 Helsinki (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): HEISKANEN, Isto [FI/FI]; Kanava-aukio 10 As. 8, FI-55100 Imatra (FI). KU-JALA, Harri [FI/FI]; Harakantie 584, FI-55800 Imatra (FI). RÄISÄNEN, Timo [FI/FI]; Naavakatu 1, FI-55120 Imatra (FI).

- (74) Agent: BERGGREN OY AB: P.O. Box 16, (Jaakonkatu 3 A), FI-00101 Helsinki (FI).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A HEAT TREATED PACKAGE FORMED FROM FIBRE BASED PACKAGING MATERIAL

(57) Abstract: The invention relates to a package intended for thermal treatment comprising a fibre-based packaging material treated with a hydrophobic size and comprising one or more layers for reduced water penetration outside and/or inside the fibre substrate. The package of the invention is characterised by the fibre substrate being treated with a combination of a wet-strength size, a hydrophobic size and an aluminium and/or calcium compound for increased heat resistance of the packaging material, and in that the ratio of hydrophobic size to the aluminium and/or calcium compound is 1:1-1:10.